

ADADA4.001APC 071406, 2006

**INFORMATION DISCLOSURE STATEMENT**

Applicant : Moolman et al.  
App. No : Unknown  
Filed : Herewith  
For : STABILIZATION OF ENZYMES  
Examiner : Unknown  
Art Unit : Unknown

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Enclosed for filing in the above-identified application is a PTO/SB/08 Equivalent listing 16 references to be considered by the Examiner. Also enclosed are 13 foreign patent references and/or non-patent literature as listed on the Information Disclosure Statement.

This Information Disclosure Statement is being filed within three months of the filing date, and no fee is required.

Respectfully submitted,

KNOBBE, MARTENS, OLSON & BEAR, LLP

Dated: July 21, 2006

By: 

Marina L. Gordey  
Registration No. 52,950  
Agent of Record  
Customer No. 20,995  
(805) 547-5580

2755140:vr  
071406

ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /RK/

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b>		Application No.	Unknown
		Filing Date	10/586894
		First Named Inventor	Moolman, Francis Sean
		Art Unit	Unknown
(Multiple sheets used when necessary)		Examiner	Unknown
SHEET 1 OF 2		Attorney Docket No.	ADADA4.001APC

U.S. PATENT DOCUMENTS					
Examiner Initials	Cite No.	Document Number <i>Number - Kind Code (if known)</i> Example: 1,234,567 B1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear
	1	5,279,847	01-18-1994	Okonogi et al.	
	2	6,303,150	10-16-2001	Perrier et al.	
	3	6,343,225 B1	01-29-2002	Clark, Jr.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials	Cite No.	Foreign Patent Document <i>Country Code-Number-Kind Code</i> Example: JP 1234567 A1	Publication Date MM-DD-YYYY	Name of Patentee or Applicant	Pages, Columns, Lines Where Relevant Passages or Relevant Figures Appear	T <sup>1</sup>
	4	EP 1 088 887 A1	04-04-2001	DSM N.V.		
	5	WO 01/62280 A2	08-30-2001	Altus Biologics, Inc.		

NON PATENT LITERATURE DOCUMENTS						
Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.				T <sup>1</sup>
	6	BACTHTSI, A. et al. (1995) "An experimental investigation of enzyme release from poly(vinyl alcohol) crosslinked microspheres" <i>J. Microencapsulation</i> 12:23-35				
	7	BETANCOR, L. et al. (2003) "Preparation of a stable biocatalyst of bovine liver catalase using immobilization and postimmobilization techniques" <i>Biotechnol. Prog.</i> 19:763-767				
	8	BEZEMER, J.M. et al. (2000) "Microspheres for protein delivery prepared from amphiphilic multiblock copolymers 1. Influence of preparation techniques on particle characteristics and protein delivery" <i>J. Controlled Release</i> 67:233-248				
	9	HIGASHI, S. et al. (2000) "Hepatic arterial injection chemotherapy for hepatocellular carcinoma with epirubicin aqueous solution as numerous vesicles in iodinated poppy-seed oil microdroplets: clinical application of water-in-oil-in-water emulsion prepared using a membrane emulsification technique" <i>Adv. Drug Delivery Rev.</i> 45:57-64				
	10	LEE, S. et al. (2000) "Preparation and some properties of water-insoluble, whey protein-based microcapsules" <i>J. Microencapsulation</i> 17:19-44				

Examiner Signature	Date Considered
*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.	

<sup>1</sup> - Place a check mark in this area when an English language translation is attached.

**ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /RK/**

<b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> <i>(Multiple sheets used when necessary)</i>		Application No.	Unknown <b>10/586894</b>
		Filing Date	Herewith
		First Named Inventor	Moolman, Francis Sean
		Art Unit	Unknown
SHEET 2 OF 2		Examiner	Unknown
		Attorney Docket No.	ADADA4.001APC

**NON PATENT LITERATURE DOCUMENTS**

Examiner Initials	Cite No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>1</sup>
	11	LOPEZ-SERRANO, P. (2002) "Cross-linked enzyme aggregates with enhanced activity: application to lipases" <i>Biotechnol. Lett.</i> 24:1379-1383	
	12	NAKASHIMA, T. et al. (2000) "Particle control of emulsion by membrane emulsification and its applications" <i>Adv. Drug Delivery Rev.</i> 45:47-56	
	13	SHARMA, R. et al. (2001) "Production, purification, characterization, and applications of lipases" <i>Biotechnol. Adv.</i> 19:627-662	
	14	TISCHER, W. et al. (1999) "Immobilized enzymes: crystals or carriers?" <i>Tibtech</i> 17:326-335	
	15	VORDERWULBECKE, T. et al. (1992) "Comparison of lipases by different assays" <i>Enzyme Microb. Technol.</i> 14:631-639	
	16	WALDE, P. et al. (2001) "Enzymes inside lipid vesicles: preparation, reactivity and applications" <i>Biomolecular Eng.</i> 18:143-177	

2754185:vr  
071406

Examiner Signature	/Rosanne Kossen/	Date Considered	04/10/2009
--------------------	------------------	-----------------	------------

\*Examiner: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

T<sup>1</sup> - Place a check mark in this area when an English language Translation is attached.  
**ALL REFERENCES CONSIDERED EXCEPT WHERE LINED THROUGH. /RK/**